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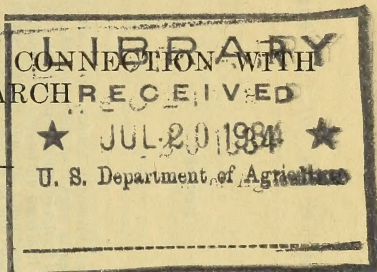


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73D CONGRESS }  
2d Session }

SENATE

{ DOCUMENT  
No. 105

Re  
CURTAILMENT OF ACTIVITIES IN CONNECTION WITH  
SCIENTIFIC RESEARCH



LETTER

FROM THE

ACTING SECRETARY OF AGRICULTURE

TRANSMITTING

IN RESPONSE TO SENATE RESOLUTION NO. 101 A STATEMENT  
SHOWING REDUCTIONS IN PERSONNEL, COMPENSATION, AND  
CURTAILMENT OF ACTIVITIES IN CONNECTION WITH SCIENTIFIC  
RESEARCH AND EXPERIMENTATION

JANUARY 4, 1934.—Ordered to lie on the table and be printed

DEPARTMENT OF AGRICULTURE,  
*Washington, June 28, 1933.*

The PRESIDENT OF THE SENATE:

In response to Senate Resolution 101, I transmit herewith a statement showing "reductions in personnel, cuts in compensation, or curtailment of activities, within the past year" in connection with scientific research or experimentation conducted by this Department.

Respectfully,

R. G. TUGWELL,  
*Acting Secretary of Agriculture.*



## CURTAILMENT OF SCIENTIFIC RESEARCH ACTIVITIES

Statement showing reductions in scientific research and experimentation activities (pursuant to S. Res. 101, 73d Cong.)

Bureaus	Expended, 1932	Estimated expendi- tures, 1933	Reduction 1933 below 1932			Remarks
			Total ex- penditures	Personnel Num- ber	Compen- sation	
Office of Experiment Stations	\$370,883	\$223,876	\$147,007	82	\$123,302	The Department's experiment stations in Alaska, Guam, and the Virgin Islands have been closed and all research work there discontinued. The Virgin Islands station has been transferred to the Interior Department. Work at the Hawaii and Puerto Rico stations has been curtailed. Abstracting of all foreign re- search publications for Experiment Station Record suspended. Of the re- duction indicated, \$20,308 was due to Federal pay cuts.
Weather Bureau	211,900	182,410	29,490	4	25,815	Curtailments have been made in the general research work of the Bureau, par- ticularly the upper-air work, climatological studies and investigations in solar radiation in its effect on weather and climate. Reduction includes \$14,790 on account of Federal pay cut.
Bureau of Animal Industry	1,248,395	1,106,408	141,987	8	101,729	No activities were entirely eliminated, but all phases of the Bureau's work were curtailed to some extent. Reduction includes \$91,219 due to Federal pay cut. The work of practically all scientific projects has been somewhat curtailed.
Bureau of Dairy Industry	727,209	586,958	140,251	19	64,201	Activities at the Ardmore (S.Dak.) dairy experimental station were aban- doned. Reduction includes \$49,592 due to Federal pay cut.
Bureau of Plant Industry	4,442,044	3,640,423	801,621	294	546,949	All major research projects of the Bureau have been curtailed to some extent. All field work connected with weed investigations has been eliminated. Blue- berry experiments in the South have been abandoned, and those in the North materially reduced in scope. Practically all lines of work under cereal pro- duction and diseases have been curtailed, and 62 of 288 positions discontinued. Field work on cotton breeding and improvement and cotton rootrot has been curtailed and studies on cotton wilt and other diseases discontinued. Studies on drug and related plants and on downy mildew of hops have been curtailed. The dry-land agriculture station at Ardmore, S. Dak., has been abandoned. There has been a reduction in all lines of work in connection with foreign plant introductions, forage-crop investigations, forest pathology, seed investigations, sugar-plant investigations, tobacco investigations, and the study of plant- infesting nematodes. While no major line of investigation under the appro- priation "Fruit and Vegetable Crops and Diseases" has been entirely aban- doned, it has been necessary to discontinue the greater part of the seasonal labor usually employed in field experiments and to reduce the advisory aid extended on such questions as the control of troublesome diseases of nuts, fruits, and vegetables and other horticultural plants and the development of better methods for the handling and storage of perishable produce; altogether 73 of 612 positions under this appropriation have been discontinued. Work on mushroom diseases has been curtailed and certain of the field projects dis-



## CURTAILMENT OF SCIENTIFIC RESEARCH ACTIVITIES

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continued. There has been general curtailment in studies of breeding, culture, and handling of flax, hemp, and the hard fibers. The irrigation-agriculture field station at San Antonio, Tex., has been abandoned and a general reduction made in irrigation and ground-water investigations. Of the reduction shown for this Bureau, \$54,328 was due to Federal pay cut.

Practically all major lines of forest research have been curtailed, including especially forest fire, planting, and reforestation studies at all regional forest experiment stations; investigations in all projects of Forest Products Laboratory, particularly in studies of mechanical properties of wood; pulp and paper studies for southern and western woods; and selective logging of southern hardwoods; and the logging and milling study in California has been eliminated. The forest survey work has been slowed down generally, and work planned to be started in Georgia prevented. Progress has been retarded in studies of forest taxation and of the financial aspects of private forests. Investigations in the control of floods and erosion from forest and range lands have been curtailed generally, and work in the South 30 percent. Of the total reduction, \$128,320 was due to Federal pay cut.

None of the major research activities of this Bureau have been eliminated, but all of them have been curtailed in varying degrees. Compensation reduction includes \$139,500 due to Federal pay cut.

All the major research work of this Bureau has been curtailed and certain of the projects entirely discontinued, as follows: Blueberry maggot work closed; one station eliminated; station working on apple insects discontinued; head-insect work curtailed by consolidation of two stations; large-scale bait trap experiments discontinued; one small station working on citrus insects closed; work on turnip aphid and tobacco insects curtailed; foreign work on bean-beetle parasites discontinued; foreign work on collection of moth parasites for liberation in New England States reduced; work in collection of parasites of corn borer in northern France and the Orient suspended; corn-borer experimental farm at Berkley, Mass. abandoned and work at the summer substation at Bay Shore, Long Island, suspended; all lines of work on cotton insects curtailed; investigation of reindeer insects in Alaska abandoned; cattle insect investigations curtailed by consolidation of two stations; stored-product insect work curtailed generally, and bean-weevil investigations at Modesto, Calif. discontinued; plant disinfection studies suspended, and all lines of taxonomic investigations, particularly identification of scale insects curtailed; all bee-culture activities scaled down. Reduction includes \$181,711 due to Federal pay cut.

Investigations in Alaska have been curtailed. Reduction includes \$22,895 due to Federal pay cut.

Economic studies of highway utilization, finance, and administration and of construction operations have been curtailed. Reduction includes \$27,534 due to Federal pay cut.

The appropriation for general investigations in agricultural engineering was reduced \$68,698, resulting in the elimination of certain projects and in the curtailment of others. The total compensation reduction under this group was \$44,849, including \$39,200 due to Federal pay cut and involving the discontinuance of 23 of 172 positions. Reduction includes \$4,600 due to Federal pay cut.

Forest Service-----	1, 719, 050	1, 528, 230	190, 820	52	176, 776
Bureau of Chemistry and Soils-----	1, 833, 740	1, 600, 671	233, 069	11	146, 680
Bureau of Entomology-----	2, 433, 466	2, 145, 529	287, 937	27	209, 536
Bureau of Biological Survey-----	322, 604	290, 345	32, 259	5	27, 834
Bureau of Public Roads-----	496, 790	395, 000	101, 790	23	101, 222
Bureau of Agricultural Engineering-----	552, 848	506, 400	46, 448	7	22, 045



*Statement showing reductions in scientific research and experimentation activities (pursuant to S. Res. 101, 73d Cong.)—Continued*

Bureaus	Expended, 1932	Estimated expendi- tures, 1933	Reduction 1933 below 1932			Remarks
			Total ex- penditures	Personnel Num- ber	Compen- sation	
Bureau of Agricultural Economics-----	\$1,765,393	\$1,525,150	\$240,243	29	\$171,509	Agreements with 15 States covering work on various phases of farm management and cost problems have been eliminated and the project on farm-management adjustment in relation to corn-borer infestation dropped; and projects on other phases of farm-management research have been curtailed; involving the dropping of 20 out of 176 positions. All the other research work of this Bureau has been curtailed to some extent. Reduction includes \$139,000 due to Federal pay cut. One project has been discontinued and other projects postponed or curtailed. Reduction includes \$16,853 due to Federal pay cut.
Bureau of Home Economics-----	208,655	166,647	42,008	6	23,954	
Total-----	16,332,977	13,898,047	2,434,930	567	1,741,552	

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1 U.S. Dept. of agriculture.

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s Curtalment of activities in connection with  
scientific research. Letter from acting  
secretary of agriculture... 1934. ((73d Cong.,  
2d sess. Senate. Doc. no.105)



